## SOURCE QUALIFICATION REQUIREMENTS

(PL98-525, SECTION 2319)

STOCK NR (NSN) 1620-00-007-1787 NOUN: <u>UPPER TORQUE COLLAR. NLG</u>

PART NUMBER (P/N) 14-41611-501 AIRCRAFT: F-5

### SECTION C

### QUALIFICATION REQUIREMENTS THAT MUST BE SATISFIED TO BECOME A QUALIFIED SOURCE:

- 1. Because of the need for uninterrupted item support to military aircraft systems while keeping with the requirements of PL 98-525, the current acquisition need not and generally will not be delayed to provide an offerer an opportunity to qualify. Normal acquisition practices at OO-ALC should preclude the denial of opportunity to any interested offerer.
- 2. The offerer must provide a pre-contract award qualification article, which meets the requirements of the engineering drawings, material specifications, and process specifications. However, successful completion of the qualification testing does not guarantee any contract award. If the offerer is deemed qualified and awarded the contract, a post-contract award first ariticle exhibit may be required to verify production capability.
- 3. The qualification article will be subjected to form, fit, and function verification as well as required testing to assure compliance with data list and other applicable procurement criteria. The qualification article shall demonstrate full compatibility and comparability with existing parts.
- 4. The required materials will be procured from a qualified source and shall meet the requirements of their respective specifications. The offerer will assure that the supplier has accomplished this and shall submit certified documentation of accomplishment of the above requirements to the purchaser along with the precontract award qualification article.
- 5. The required forgings shall be procured from the qualified forging source using the original certified forging procedures and dies. Forging material and lot qualifications shall be accomplished as required in the specified forging drawing, P/N 14-41611 and specification <u>SAE AMS-F-7190</u>. The offerer shall assure that this is or has been accomplished by the forging source and will submit certified documentation of accomplishment of the above requirements to the government along with the pre-contract award qualification article.
- 6. The qualification article once submitted will become subject to such testing as deemed necessary by the U.S. Government to prove that the article meets all dimensional, processing and functional requirements. Such testing may result in the destruction of the article. Following completion of necessary testing and evaluation, the article no matter what its condition shall be returned to the contractor or disposed of at his discretion and direction whether it was found acceptable or not.
- 7. Form verification: The U.S. Government's Quality Verification Center (QVC) will be used to insure compliance with the dimensional requirements of the article. Material and processing compliance will also be verified as required.
- 8. Fit/function verification: Existing components and government test stands and fixtures will be utilized to verify physical interface and functional performance of articles.
- 9. Testing for material and process compliance.

(a) Material analysis

(e) Finish

(b) Heat treat

(f) Grain flow

(c) Grinding

(g) Other

(d) Plating

# SOURCE QUALIFICATION REQUIREMENTS

(PL98-525, SECTION 2319)

STOCK NR (NSN) 1620-00-007-1787 NOUN: <u>UPPER TORQUE COLLAR</u>, NLG PART NUMBER (P/N<u>14-41611-501</u> AIRCRAFT: F-5

### 10. Remarks:

- a. Organic verification capabilities exist at OO-ALC.
- b. Testing requirements outside organic capabilities will be contracted out.
- 11. The estimated cost of government testing and evaluation is \$1000
- 12. Maximum time for testing of the qualification article will not exceed 30 days from receipt at testing agency.

### SECTION D

## QUALIFICATION WAIVER REQUIREMENTS.

- 1. An offerer who has had previous experience in the manufacture and qualification of items, which can be correlated with this product, may apply to the design control authority at OO-ALC for a waiver of the above stated qualification requirements.
- a. The qualification waiver criteria utilized by the design control authority to perform a qualification analysis are available upon request. The qualification waiver criteria may be used as a guide in preparing the offerer's written input to the design control authority.
- b. The burden of proof for written inputs is on the offerer. The design control authority will not pursue authenticity verification of claims made by the offerer of product manufacturing experience with other Government or non-Government agencies. Unsubstantiated claims will not be considered in the waiver analysis process.
- c. This waiver will be granted if and only if the design control authority (LILE) can establish the qualifications of the offerer through the evaluation of written inputs from the offerer or from previous knowledge of the offerer's capabilities or from previous experience with the offerer on similar item acquisitions. If there is any doubt about the offerer's capability, the offerer will be required to submit a pre-qualification article. There is no guarantee of qualification by similarity. LILE reserves the right to require a pre-qualification article of all offerers.
- 2. The current acquisition need not and will not be delayed in order to provide an offerer with an opportunity to meet the requirements for qualification waiver.
- 3. Maximum time for approval of qualification by similarity will not exceed 15 days.

TOTAL PRICE

#### CONTRACT DATA REQUIREMENTS LIST Form Approved (1 Data Item) OMB No. 0704-0188 Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the government Issuing Contracting Officer for the Contract/PR No. in Block E. A. CONTRACT LINE ITEM NO. B. EXHIBIT C: CATEGORY: TESTING AND INSPECTION Α TM OTHER D. SYSTEM/ITEM E. CONTRACT/PR NO. F. CONTRACTOR COLLAR TORQUE ARM FD2020-03-21479 CC1PPIP 1. DATA ITEM NO. 2. TITLE OF DATA ITEM 3. SUBTITLE | 17. PRICE GROUP A001 TEST/INSPECTION REPORTS OVERNMENT TESTING 4. AUTHORITY (Data Acquisition Document No.) 5. CONTRACT REFERENCE 6. REQUIRING OFFICE | 18. ESTIMATED DI-NDTI-80809B/T 00-ALC/MADLV 7. DD 250 REQ | 9. DIST STATEMENT | 10. FREQUENCY | 12. DATE OF FIRST SUBMISSION DISTRIBUTION REQUIRED 1TIME **BLK 16** b. COPTES 8. APP CODE 11. AS OF DATE 13. DATE OF SUBSEQUENT SUBM. a. ADDRESSEE -final-N/A N/A N/A draft|reg|repr 16. REMARKS PCC1PC/MADLV 1 (4) Contractor format acceptable. Paragraph 10.2 of DD Form 1664 is 7278 4TH STREET clarified as follows: All dimensions and tolerances specified on the manufacturing data shall BLDG 100, BAY D be listed in one column with the actual corresponding reading obtained from inspection of the part, listed in another column. HILL AFB UT Materials utilized in the manufacture of "First Article" item shall be identified and certified along with a copy of material purchase requests as 84056-5205 conforming to applicable data requirements. Material processes including finish requirements (plating, heat treatment welding inspections, anodize, painting, etc.) utilized in the manufacture of the first article will be identified and certified as conforming to the applicable requirements. A copy of the purchase order certifying the processes accomplished at other than contractor facility shall be included. Other requirements as called out on Engineering Data Requirement (AFLC Form 3720). (9) DISTRIBUTION STATEMENT D: Distribution authorized to the Department of Defense and DOD contractors only (Critical Technology) (15 Sept 95). Other

FOB DESTINATION

G. PREPARED BY RAY BROWN LGOO DATA MGF

requests for this document shall be referred to OO-ALC/LIL.

(12) Submit concurrently with First Article.

H. DATE 17 OCT 02 I. APPROVED BY BRYAN SMITH/LGOO/C

15. TOTAL --

DATE 17 OCT 02

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of Pages

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#### INSTRUCTIONS FOR COMPLETING DD FORM 1423

(See DoD 5010.12M for detailed instructions.)

#### FOR GOVERNMENT PERSONNEL

- Item A. Self-explainatory.
- Item B. Self-explainatory.
- Item C. Mark (X) appropriate category: TDP Technical Data
  Package; TM Technical Manual; Other other category of data,
  such as 'Provisioning', 'Configuration Management', etc.
- Item D. Enter name of system/item being acquired that data will
- Item E. Self-explainatory (to be filled in after contract award).
- Item F. Self-explainatory (to be filled in after contract award).
- Item G. Signature of preparer.
- Item H. Date CDRL was prepared.
- Item I. Signature of CDRL approval authority.
- Item J. Date CDRL was approved.
- Item 1. See DoD FAR Supplement Subpart 4.71 for proper numbering.
- Item 2. Enter title as it appears on data acquisition document cited in Item 4.
- Item 3. Enter subtitle of data item for futher definition of data item (optional entry).
- Item 4. Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-L (AMSDL), or one-time DID number, that defines data content and format requirements.
- Item 5. Enter reference to tasking in contract that generates requirement for the data item (e.g. Statement of Work paragraph number).
- Item 6. Enter technical office responsible for ensuring adequacy of | the data item.
- Item 7. Specify requirement for inspection/acceptance of the data item by the Government.
- Item 8. Specify requirement for approval of a draft before preparation of the final data item.
- Item 9. For technical data, specify requirement for contractor to mark the appropriate distribution statement on the data (ref DoDD 5230.24).
- Item 10. Specify number of times data items are to be delivered.
- Item 11. Specify as-of date of data item, when applicable.
- Item 12. Specify when first submittal is required.
- Item 13. Specify when subsequent submittals are required, when applicable.  $% \begin{center} \b$
- Item 14. Enter addresses and number of draft/final copies to be delivered to each addressee. Explain reproducible copies in Item 16.
- Item 15. Enter total number of draft/final copies to be delivered.
- Item 16. Use for additional/clarifying information for items 1 through 15. Examples are: Tailoring of documents cited in Item 4; Clarification of submittal dates in Items 12 and 13; Explanation of reproducible copies in Item 14; Desired medium for delivery of the data item.

### FOR THE CONTRACTOR

Item 17. Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423.

a. Group I. Definition - Data which is not otherwise essential to the contractor's performance of the primary contracted effort (production, development, testing and administration) but which is required by DD Form 1423.

Estimated Price - Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administration and other expenses related to reproducing and delivering such data items to the Government.

b. Group II. Definition - Data which is essential to the performance of the primary contracted effort but the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.

Estimated Price - Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirements, and the administrative and other expenses related to reproducing and delivering such data item to the Government.

c. Group III. Definition - Data which the contrator must develop for his internal use in performance of the primary contracted effort and does not require any substantial change to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, and quality of the data item.

Estimated Price - Costs to be included under Group III are the administrative and other expenses related to reproducing and delivering such data item to the Government.

d. Group IV. Definition - Data which is developed by the contractor as part of his normal operating procedures and his effort in supplying these data to the Government is minimal.

Estimated Price - Group IV items should normally be shown on the DD Form 1423 at no cost.

Item 18. For each data item, enter an amount equal to that portion of the total price which is estimated to be attributable to the production or development for the Government of that item of data. These estimated data prices shall be developed only from those costs which will be incurred as a direct result of the requirement to supply data, over and above those costs which would otherwise be incurred in performance of the contract if no data were required. The estimated data prices shall not include any amount for rights in data. The Government's right to use data shall be governed by the pertinent provisions of the contract.

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REV:	ENGINEERING DATA REQUIREMENTS  (ATTACHMENT "A")				
NOTE: MULTIPLE CONTROL					
	ONS I/STANDARDS WILL NOT BE FURNISHED IN 1 TIONS ARE FURNISHED FOR THE MANUFACTURE				
COLLAR, UPPER TORQUE - NOSE LANDING GEAR					
2. PART NUMBER		3. NATIONAL STOCK NUMBER			
14-41611-501		1620-00-007-1787			
FURNISHED UNLESS SO INDIC	· · · · · · · · · · · · · · · · · · ·		EDED DATA WILL NOT BE		
5. MARKING AND IDE	ENTIFICATION PER MIL-STD-130 IN	LIEU OF IM-24 TYPE I.			
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TYPE I, METHOD B OF CRITERIA: NO DEFECTOR PERFORMENT DEVELO  9. DIMENSIONS AND  10. PER DRAWING 14-  11. PER DRAWING 14-	QUIREMENTS, PERFORM FLUORESC R C, LEVEL 3 IN LIEU OF IT-60 WITH CTS ALLOWED. THE INTENT OF NO REQUIRED SENSITIVITY LEVEL AN FORMING THE INSPECTION SHALL IN PED BY A LEVEL III AS SPECIFIED IN TOLERANCES PER ASME Y14.5 IN IT- 41611, ROUGH FORGING PER NAI-1 41682, MATERIAL PER ASTM B124 OF SAE AMS-H-6875 IN LIEU OF HT-21	H THE FOLLOWING ACCEPTAND DEFECTS ALLOWED IS THAT ID THERE SHALL BE NO INDICED TO LEVEL II WIS IN NAS-410.  LIEU OF 3-40500 AND 20Y201.  273 (SUPPLIED).  OR B150 ALLOY C64200 IN LIEU	NCE/REJECTION THE INSPECTION IS EATIONS ALLOWED. TH THE INSPECTION		
PREPARED BY		SYMBOL	DATE		
JOAN HYATT		LGMPM	28 JUNE 02		
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REV:	ENGINEERING DATA REQUIREMENTS CONTINUATION SHEET  (ATTACHMENT "A")					
		(ATTACHMENT A)				
PART NUMBER		NATIONAL STOCK NUMBER				
14-41611-501	4-41611-501 1620-00-007-1787					
13. FOR PARTS HEAT-TREATED TO 180 KSI AND ABOVE, ANY SURFACE GROUND/MACHINED AFTER HEAT TREAT SHALL BE INSPECTED FOR ABUSIVE GRINDING/MACHINING BURNS PER MIL-STD-867. GRINDING SHALL BE PER MIL-STD-866.						
14. PER DRAWING 14	-41611, NICKEL PLATE PER MIL-C-2	6074 CL 2 IN LIEU OF STF0205.				
15. PER DRAWING 14	-41682, FINISH PER MIL-STD-870 TY	PE II CL 1 IN LIEU OF STF0173.				
16. MACHINE PER BE	ST SHOP PRACTICE IN LIEU OF MA	-116.				
17. PART PROTECTIO	N PER MIL-C-11796, CL 1 IN LIEU O	F P-430-13.				
18. INSTALL BUSHIN	GS PER THE FOLLOWING IN LIEU (	OF FH-19:				
THE FINISH ON THE I O.D. OF THE BUSHING PRESS OR HAMMER IS	TALLATIONS SHALL BE ACCOMPLI .D. OF THE HOUSING INTO WHICH G. FORCED INSTALLATION OF SUB S NOT PERMITTED, AND IS NOT AC BUSHING INTO ALIGNMENT WITH	THE BUSHING IS INSTALLED, -ZERO INSTALLATIONS, SUCH CEPTABLE. A SMALL NON-MI	OR THE FINISH OF THE AS THE USE OF A ETALLIC HAMMER MAY			
	G INSTALLATION, THE PARTS AND TO REMOVE ALL CONTAMINATION		EANED WITH A			
COOLANT IS SPECIFIE	I SHALL BE USED FOR ALL SUB-ZE ED, AND APPROVED BY OO-ALC/LII DGEN SHALL BE SUFFICIENT TO AL HE COOLANT.	LE ENGINEERING. THE SOAK	TIME OF THE BUSHING			
D. THE BUSHING SHALL BE INSTALLED INTO THE HOUSING IMMEDIATELY UPON REMOVAL FROM THE COOLANT WITH AN ABSOLUTE MINIMUM OF LOST TIME. TRIAL RUNS SHALL BE ACCOMPLISHED AS NECESSARY TO MINIMIZE INSTALLATION TIME WHICH SHOULD BE IN THE ORDER OF ABOUT SEVEN (7) SECONDS MAXIMUM.						
PREPARED BY		SYMBOL	DATE			
JOAN HYATT		LGMPM	28 JUNE 2002			
00-ALC FORM 462, OCT 9	6 (EF-V1) (PerFORM PRO)		PAGE 2 OF 4			

REV:	ENGINEERING DATA REQUIREMENTS CONTINUATION SHEET				
·		(ATTACHMENT "A")			
PART NUMBER		NATIONAL STOCK NUMBER			
14-41611-501		1620-00-007-1787			
INSTALLED, IN ADDI' HAVE PAINT OR SEAL BE HEATED BY THE U ETC.; TO THE MAXIM MONITOR HEAT AND	IALLY BE NECESSARY TO HEAT THE FION TO SUB-ZERO COOLING OF THE ANT OR OTHER ORGANIC MATERIES OF RADIANT HEAT TECHNIQUE OF 250 F. TEMES SHALL BE LOCATED ON AREAS OF SCALING, OXIDATION, OR CORROS	HE BUSHING. DETAIL PARTS IS AL APPLIED PRIOR TO HEATIN ES, SUCH AS THERMAL BLANK IPERATURE MEASURING DEVI THE PART EXPECTED TO REA	N PROCESS, WILL NOT IG, THE PARTS SHALL ETS, INFRARED LAMPS CES SHALL BE USED TO		
LIGHT COAT OF SEAL	UT FLANGES SHALL BE INSTALLEI LANT PER MIL-PRF-81733. INSTALL HAVE EXTRUDED AROUND THE P	. SHRUNKEN BUSHING AND WI	PE OFF ANY EXCESS		
SEALANT SHALL ALS A MANNER AS TO EN INSTALLED. WIPE OI	FLANGES SHALL BE INSTALLED IN O BE APPLIED TO FACE OF LUG UN SURE COMPLETE COVERAGE OF IN FF ANY EXCESS SEALANT AROUND OM OTHER END OF BUSHING ALSO	NDER FLANGE. SEALANT SHA NSIDE FACE OF BUSHING FLAN PERIPHERY OF BUSHING FLA	LL BE APPLIED IN SUCH		
MIL-C-16173 PRIOR TO	ITH EXTERNAL GREASE GROOVES, D BUSHING INSTALLATION AND FA F BUSHING IS FLANGED.				
	ALL BE PROCURED FROM THE ORI PROCEDURES AND DIES/TOOLING		NG THE ORIGINAL		
FORGING SOURCE, TO AND THE FORGING S	ACT AWARD, THE DETAILED PART O THE GOVERNMENT THAT THE CI OURCE HAS AN AGREEMENT WITH HE EVENT THEY ARE THE SUCCESS	ERTIFIED DIES AND PROCEDUI I THE DETAIL PARTS BIDDER T	RES ARE AVAILABLE		
FORGING DRAWING ASSURE THAT THIS H	B. PRIOR TO PRODUCTION, FORGING LOT QUALIFICATION SHALL BE ACCOMPLISHED AS SPECIFIED ON THE FORGING DRAWING AND SAE AMS-F-7190 FOR STEEL FORGINGS. THE DETAILED PART CONTRACTOR SHALL ASSURE THAT THIS HAS BEEN ACCOMPLISHED BY THE FORGING SOURCE AND SHALL SUBMIT CERTIFIED DOCUMENTATION OF ACCOMPLISHMENT TO THE GOVERNMENT.				
PREPARED BY		SYMBOL	DATE		
JOAN HYATT		LGMPM	28 JUNE 2002		
OD-ALC FORM 462 OCT 9			PAGE 3 OF 4		

REV:	ENGINEERING DAT	TA REQUIREMENTS CONTINUATION S (ATTACHMENT "A")	HEET	
PART NUMBER		NATIONAL STOCK NUMBER		
14-41611-501		1620-00-007-1787		
20. FORGING SOURCES	, CONTROL AND LOCATION OF DI	ES:		
A. FORGING DRAW	INGS: 14-41611-9			
B. CONTROL OF FO	RGING PROCESS: LADISH COMPAI	NY		
C. FORGING DIE NU	JMBER: NR009			
D. LOCATION OF FO	ORGING DIES:			
LADISH COMPANY 5481 SOUTH PACKARD CUDAHY, WI 53110-22 (414) 747-2760 CAGE: 34646				
ADVISE THE GOVERNI PROPOSED FORGING S WITHOUT THE EXPRE GOVERNMENT SHALL CONTRACTOR SHALL THE DIES IS PLACED,	CE IS NOT IDENTIFIED PRIOR TO C MENT IN WRITING OF THE INTENT SOURCE. THE CONTRACTOR SHAL SS WRITTEN CONSENT OF THE GO HAVE UNLIMITED USE OF THE DI INFORM THE FORGING HOUSE IN THAT THE GOVERNMENT HAS UNITED	TO PROCURE NEW FORGING IL NOT PROCEED TO OBTAIN N VERNMENT-PROCURING ACTI IES DEVELOPED UNDER THIS O WRITING, AT THE SAME TIME LIMITED USE RIGHTS OF THE	DIES AND THE IEW FORGINGS DIES VITY. THE CONTRACT. THE OF THE ORDER FOR	
	FAWARD, THE SUCCESSFUL BIDDI DUTING DOCUMENTS AND PROCES BEGINS.			
SHIPMENT OF DISCRE	TEM ENGINEERING RETAINS ALL I PANT ITEM. ALL DEVIATIONS, MI WILL BE SUBMITTED FOR MRB DIS	INOR AND MAJOR, FROM THE		
24. PRIOR TO CONTRACT AWARD, THE CONTRACTOR WILL CERTIFY TO THE GOVERNMENT IN WRITING FULL COMPLIANCE WITH MANUALS, SPECIFICATIONS, AND STANDARDS CALLED OUT AND REQUIRED FOR THE MANUFACTURE OF THIS CONTRACTED LANDING GEAR COMPONENTS/ASSEMBLIES. THE CONTRACTOR IS RESPONSIBLE TO COMPLETELY SEARCH THESE MANUALS, SPECIFICATIONS, AND STANDARDS AND FULLY UNDERSTAND THE REQUIREMENTS NECESSARY TO MANUFACTURE THESE COMPONENTS. ANY QUESTIONS CAN BE FORWARDED TO THIS OFFICE OO-ALC/LILE.				
PREPARED BY		SYMBOL	DATE	
JOAN HYATT		LGMPM	28 Jun 02  PAGE 4 OF 4	